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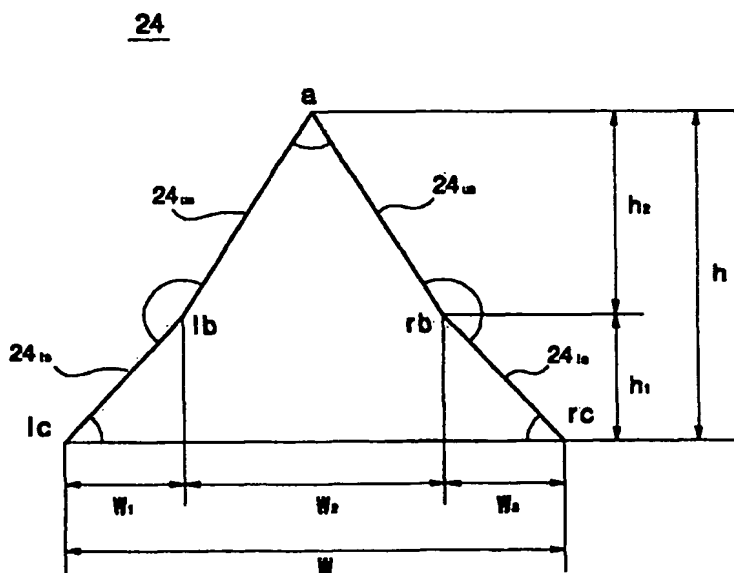
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(54) Title: **PRISM SHEET HAVING CONCAVE PENTAGONAL**



(57) Abstract: A prism sheet having a concave pentagonal structure is disclosed. The prism sheet comprises a base layer, and a prism array disposed on and supported by the base layer. The prism array is composed of a plurality of prisms aligned in parallel and one beside the other. The transversal cross-section of each prism has a shape of concave pentagon, which is symmetrical about a vertical line passing the apex. The interior angle α of the apex is $30^\circ \leq \alpha \leq 120^\circ$, the exterior angle β formed by the upper slant side and the lower slant side is $\beta < 180^\circ$, the interior angle γ of the lower vertex formed by the lower slant side and the base is $5^\circ \leq \gamma \leq 85^\circ$ and the length w of the base is $30\mu\text{m} \leq w \leq 100\mu\text{m}$. Preferably, the interior angle α of the apex may be $40^\circ \leq \alpha \leq 100^\circ$, the exterior angle β formed by the upper slant side and the lower slant side may be $160^\circ \leq \beta \leq 179^\circ$, and the interior angle γ of the lower vertex formed by the lower slant side and the base may be $30^\circ \leq \gamma \leq 60^\circ$. Preferably, the length w of the base may be $40\mu\text{m} \leq w \leq 60\mu\text{m}$.



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